NAUFAL NASHIF IMANUDDIN

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Website | LinkedIn | Github | Leetcode | Tableau Public

SUMMARY

A certified PCAP-31-03 Associate Python Programmer and Data Enthusiast with a degree in Statistics and Data Science from IPB University. Currently working as a Data Generalist at OJK, with 2 years of experience across data engineering, analytics, cloud, and AI/ML. Skilled in Python, SQL, Tableau, GCP, Docker, and more—transforming data into clear, impactful insights through smart pipelines, automation, and visual storytelling.

EDUCATION

IPB University
Bachelor's Degree in Statistics and Data Science (2019 - 2023)

I recently completed my bachelor's degree, focusing on Twitter sentiment analysis. I developed a specialized Natural Language Processing (NLP) model for this purpose and implemented it in a web application. Additionally, I have made valuable contributions through both organizational and committee experiences, including:

- Surveyor for Human Development Index (HDI) Statistics Department in collaboration with the Government of Bekasi City, Depok City, and Bandung Regency (2023)
- Head of Media and Branding Division, Junior Statistics Competition (2022)
- Media & Operations Committee, International Conference on Statistics and Data Science (ICSDS 2022)
- Staff of Media and Branding Division, Departmental Student Association (2021)
- Staff of Media and Branding Division, Pekan Olahraga Statistika (PORSTAT 2020)

SMA Negeri 1 Kroya
Mathematics and Natural Sciences (2016 - 2019)

Actively involved in student organizations such as OSIS and Pramuka. Participated in Mathematics Olympiads (OSN) and was selected as Cilacap Digital Tourism Ambassador in 2018.

PROJECT

Superstore Dashboard Analysis
Tools : Tableau, Figma   *Demo*
- Implemented descriptive analytics, forecasting, market basket analysis, and customer retention analysis.
- Designed the dashboard to be user-friendly using Figma and visually engaging for exploratory data analysis.

Real-Time Video Analytics with YOLOv8
Tools : Python, Roboflow, Ulralytics, Supervision, Streamlit, OpenCV   *Demo*
- Built a real-time object detection system using the YOLOv8 deep learning model.
- Processed video input with OpenCV and annotated datasets via Roboflow.
- Integrated Ultralytics and Supervision libraries, and deployed the prototype through an interactive Streamlit interface.

Web Scraping & Sentiment Analysis with IndoBERT
Tools : Python, Streamlit, FastAPI, Transformers   *Demo*
- Created a full-stack web application to scrape news articles and tweets and classify sentiment using a fine-tuned IndoBERT model.
- Developed the backend with FastAPI and the frontend with Streamlit.
- Built an interactive dashboard for monitoring and visualizing sentiment analysis results.

End to End Machine Learning NLP Sentiment Analysis *(Thesis)*   *Demo*
Tools : Python, RegEx, NLTK, Scikit-learn, Streamlit
- Data collection, preprocessing and EDA +4000 tweets from Twitter
- Build ensemble model with three base classifiers (Multinomial Logistic Regression,Multinomial Naïve Bayes, and Random Forest)
- Model deployment (using Streamlit framework and deploy on Huggingface)

Build Portfolio Website   *Demo*
Tools : Html, CSS, Javascript, Github
- Designed and deployed a responsive portfolio website to showcase personal projects, blog posts, and contact information.
- Utilized GitHub Pages and Netlify for hosting and continuous deployment.

EXPERIENCE

Financial Services Authority (OJK)
Research Fellow – Data Generalist (May 2025 - Now)
- Conducting research on data governance, master data management (MDM), data integration, and data transformation
- Developing dashboards using Tableau
- Exploring cloud computing with Azure, including AI/ML, text processing, and generative AI applications

PT Cybertrend Intrabuana - Cybertrend Graduate Trainee
Tableau Developer, Data Management & Integration Associate Consultant (March 2024 - April 2025)
- Working as a Consultant at PT Telkomsel Tbk, PT Timah Tbk and Lintasarta
- Completed one-month intensive training in communication, data analytics, data engineering, database management, and project management with Cybertrend Graduate Trainee program.
- The tools I used are ETL tools, DBMS, Tableau, dan Power BI.

Digitalent Komdigi - Fresh Graduate Academy (FGA)
Bootcamp Big Data Using Python (Juni 2024 - October 2024)
- Completed intensive training in Python for data analysis, data manipulation, and visualization.
- Built interactive dashboards and front-end applications using Streamlit.
- Developed and deployed RESTful backend services using FastAPI.
- Gained hands-on experience in building full-stack data applications using Python.

PT Ruang Raya Indonesia - Ruangguru Camp
Backend Engineering Bootcamp (January 2023 - July 2023)
- Learned basic frontend development using HTML, CSS, JavaScript, and Tailwind CSS
- Built backend systems using Go programming language
- Worked with SQL and NoSQL databases
- Performed API testing using Postman
- Practiced version control with Git and GitHub

PT Xquisite AI - Intern
Data Specialist Intern (September 2022 - December 2022)
- Specialized in Python-based OCR for PDF data extraction and conversion.
- Key role in Azure Databricks data rollout.
- Contributed to Power BI dashboard modifications.

CERTIFICATION

PCAP-31-03 Associate Python Programmer   *CERT*
Python Institute (Issued on November 22, 2024)

Google Cloud Skill Boost Badges   *CERT*
Google Cloud Skill Boost (Issued on February, 2025)

Databricks Fundamentals   *CERT*
Databricks (Issued on June, 2024)

                                                                                    CERT
Finalist Infographic Competition at UNSYIAH 2020
Universitas Syiah Kuala (Issued on October, 2020)